

containing at least one component selected from the group consisting of an aliphatic epoxide compound (D), a metal salt (E), a metal oxide (F), a rubber latex (G) and a benzene derivative (H) having two or more (blocked) isocyanate groups.

A1
3. (Amended) An adhesive composition comprising a thermoplastic and water dispersible high molecular weight polymer (A) containing a crosslinkable functional group as a pendant group and substantially free of carbon-carbon double bonds with a hydrogen radical at its allyl position in the main chain and an aqueous urethane compound (I) obtained by reacting an organic polyisocyanate (α) having a structure with methylene linked aromatics, a compound (β) having plural active hydrogens, and a thermally dissociatable blocking agent (γ) for an isocyanate group.

4. (Amended) An adhesive composition comprising a thermoplastic and water dispersible high molecular weight polymer (A) containing a crosslinkable functional group as a pendant group and substantially free of carbon-carbon double bonds with a hydrogen radical at its allyl position in the main chain and an aqueous urethane compound (I) obtained by reacting an organic polyisocyanate (α) having a structure with methylene linked aromatics, a compound (β) having plural active hydrogens, and a thermally dissociatable blocking agent (γ) for an isocyanate group, and further containing at least one component selected from the group consisting of an aliphatic epoxide compound (D), a metal salt (E), a metal oxide (F), a rubber latex (G) and a benzene derivative (H) having two or more (blocked) isocyanate groups.

7. (Amended) An adhesive composition according to claim 1, wherein the thermoplastic and water dispersible high molecular weight polymer (A) is a water-dispersible polymer.

A2
8. (Amended) An adhesive composition according to claim 1, wherein the thermoplastic and water dispersible high molecular weight polymer (A) has a weight average molecular weight of not less than 10,000.

172 9. (Amended) An adhesive composition according to claim 1, wherein the crosslinkable functional group in the pendant group of the thermoplastic and water dispersible high molecular weight polymer (A) is at least one selected from the group consisting of an oxazoline group, a bismaleimide group, a (blocked) isocyanate group, an epoxy group, an aziridine group, a carbodiimide group, a hydrazino group and an epithio group.

10. (Amended) An adhesive composition according to claim 1, wherein the thermoplastic and water dispersible high molecular weight polymer (A) is an ethylenically addition polymer containing 2-oxazoline group as a pendant group.

11. (Amended) An adhesive composition according to claim 1, wherein the main chain of the thermoplastic and water dispersible high molecular weight polymer (A) comprises an ethylenically addition polymer of units derived from a monomer containing substantially one carbon-carbon double bond, and an addition-reactive carbon-carbon double bond derived from conjugated diene monomer is not more than 10% as a composition ratio in the main chain monomer.

12. (Amended) An adhesive composition according to claim 1, wherein the thermoplastic and water dispersible high molecular weight polymer (A) is a urethane based high molecular weight polymer containing a hydrazino group in its pendant group.

A3 29. (Amended) An adhesive composition according to claim 1, wherein the adhesive composition contains 2-75% of the thermoplastic and water dispersible high molecular weight polymer (A), 5-75% of the water soluble high polymer (B) and 15-77% of the compound (C) on dry weight.

30. (Amended) An adhesive composition according to claim 2, wherein when the adhesive composition contains 2-75% of the thermoplastic and water dispersible high molecular weight polymer (A), 5-75% of the water soluble high polymer (B) and 15-77% of the compound (C) on dry weight, it further contains not more than 70% of the aliphatic epoxide compound (D), not more than 50% of the metal salt (E), not more than 50% of the metal oxide (F), not more than 18% of the rubber latex (G) and not more than 50% of the benzene derivative (H).

A3 31. (Amended) An adhesive composition according to claim 3, wherein the adhesive composition contains 2-75% of the thermoplastic and water dispersible high molecular weight polymer (A) and 15-87% of the aqueous urethane compound (I) on dry weight.

32. (Amended) An adhesive composition according to claim 4, wherein when the adhesive composition contains 2-75% of the thermoplastic and water dispersible high molecular weight polymer (A) and 15-87% of the aqueous urethane compound (I) on dry weight, it further contains not more than 70% of the aliphatic epoxide compound (D), not more than 50% of the metal salt (E), not more than 50% of the metal oxide (F), not more than 18% of the rubber latex (G) and not more than 50% of the benzene derivative (H).

33. (Amended) An adhesive composition according to claim 5, wherein the adhesive composition contains 5-75% of the thermoplastic and water dispersible high molecular weight polymer (A) and 15-77% of the aqueous urethane compound (I) on dry weight.

34. (Amended) An adhesive composition according to claim 6, wherein when the adhesive composition contains 5-75% of the thermoplastic and water dispersible high molecular weight polymer (A) and 15-77% of the aqueous urethane compound (I) on dry weight, it further contains not more than 70% of the aliphatic epoxide compound (D), not more than 50% of the metal salt (E), not more than 50% of the metal oxide (F), not more than 18% of the rubber latex (G) and not more than 50% of the benzene derivative (H).

Amendment under 37 C.F.R. § 1.111
USSN 09/623,140

Please add the following new claims:

A4 --46. (New) An adhesive composition according to claim 1, wherein the crosslinkable functional group in the thermoplastic and water dispersible high molecular weight polymer (A) is self-crosslinkable.

47. (New) An adhesive composition according to claim 2, wherein the crosslinkable functional group in the thermoplastic and water dispersible high molecular weight polymer (A) is self-crosslinkable.--